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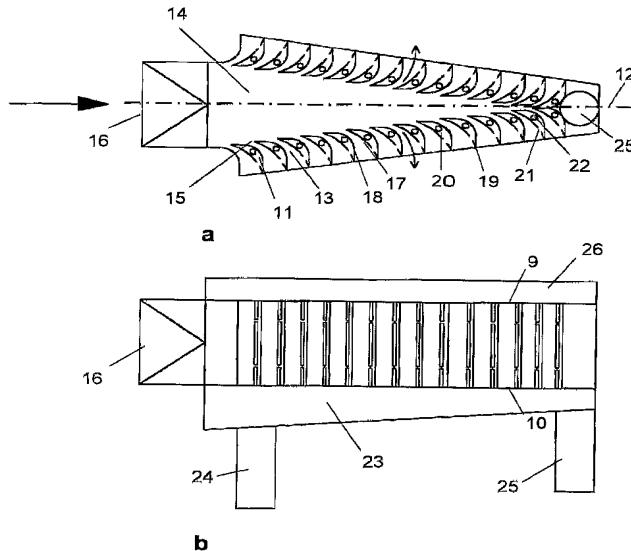
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(54) Title: VANE DIFFUSER



(57) Abstract: Van diffuser for use in separators used to separate a liquid phase and/ or particulate material from a gas flow, comprising a distribution chamber (14) that communicates with the separator's (1) inlet pipe stub (2). A top plate (9), a bottom plate (10), and a plurality of curved, parallel vanes (11) together delimit a plurality of diffuser channels (13). The vanes (11) have a varying thickness in the flow direction which ensures an even expansion of the cross-sectional area of the diffuser channels (13), which implies that the fluid will not be given a reverse flow along the suction side (18) of the vanes (11) as is the case for vanes with uniform thickness.

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